



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 64GB DDR4 RAM

## 512GB SSD

## No WiFi

## Ubuntu Linux

SKU: AERO-I5\_12-64-M512-12\_5-X-U-0



Unleash mighty performance in a minuscule package.

Introducing the Thinvent® Aero Mini PC: Your compact powerhouse for demanding tasks. Engineered for stability and performance, this mini PC redefines efficiency in a footprint that fits virtually anywhere.

### Unrivalled Processing Power

At its core lies the Intel® Core™ i5-1250P processor, a 12-core marvel reaching speeds up to 4.4 GHz with 12 MB cache. Experience seamless multitasking and rapid application execution, backed by a robust 16GB DDR4 RAM. The 32GB MLC SSD ensures lightning-fast boot times and exceptional durability for core OS operations, all running on the stable and secure Ubuntu Linux 24.04 LTS.

### Comprehensive Connectivity

Despite its small size, the Aero Mini PC offers an extensive array of ports to meet all your peripheral needs

- 2x USB 3.2 ports for high-speed data transfer
- 6x USB 2.0 ports (2 rear, 4 front) for versatile peripheral connection

- 1x Front USB-C for modern device compatibility
- 1x HDMI and 1x VGA port for flexible dual-display setups
- Dedicated Speaker Out, Front Speaker Out, Mic In, and Front Mic In for crystal-clear audio
- 1x 1000 Mbps Ethernet port for reliable, high-speed wired network access (No WiFi)

### Robust Design and Reliability

Crafted from durable steel and ABS plastic with a sleek, powder-coated black finish, this mini PC is built to last. Its ultra-compact dimensions of 198mm x 187mm x 40mm make it ideal for space-constrained environments. Operating reliably from 0°C to 35°C and 20% to 80% non-condensing humidity, it's certified with BIS, RoHS, and ISO standards, ensuring quality and safety. Powered by a 12V 7A adapter with a wide 100~275V AC input and a 2-metre cable, the Aero Mini PC is ready to integrate effortlessly into your setup.



## Specifications

### PROCESSING

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Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

### CONNECTIVITY

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USB 3.2	2
USB 2.0	2
Front USB 2.0	4
Front USB C	1

### NETWORKING

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Ethernet	1000 Mbps
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### POWER

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DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

### ENVIRONMENTAL

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Operating Temperature	0°C ~ 35°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

### PHYSICAL

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Form Factor	Mini PC
Dimensions	198mm × 187mm × 40mm
Housing Material	Steel and ABS Plastic
Housing Finish	Powder Coated
Housing Colour	Black
Net and Gross Weight	1.62kg, 1.62kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

PRODUCT CODE				
<b>Aero-i5_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>				
RAM	<b>4</b> = 4GB DDR4	<b>8</b> = 8GB DDR4	<b>16</b> = 16GB DDR4	<b>32</b> = 32GB DDR4
	<b>64</b> = 64GB DDR4			
SSD	<b>m128</b> = 128GB		<b>m256</b> = 256GB	
	<b>m32</b> = 32GB		<b>m512</b> = 512GB	
	<b>m1024</b> = 1TB		<b>S32</b> = 32GB MLC	
	<b>S128</b> = 128GB		<b>S256</b> = 256GB	
Wireless	<b>m</b> = Dual Band WiFi		<b>X</b> = No WiFi	
OS	<b>DOS</b> = DOS		<b>W_OS</b> = Without OS	
	<b>11V</b> = Windows 11 IoT Value		<b>11P</b> = Windows 11 Pro	
	<b>Thinix</b> = Thinix™ Embedded Linux		<b>U</b> = Ubuntu Linux	
Accessories	<b>0</b> = None		<b>KM</b> = Keyboard and Mouse set	
	<b>MK</b> = Mechanical Keyboard		<b>Mo</b> = Wired Optical Scroll Mouse	

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